



Type 2 AC surge protector - 3-phase+N

CITEL

DAC40CS-40-440



- ↳ Compact, multipole type 2
- ↳ Conductivity per pole: $I_n = 20 \text{ kA}$; $I_{max} = 40 \text{ kA}$
- ↳ Protection modes - common and/or differential
- ↳ Safe disconnect device
- ↳ Transverse / longitudinal voltage protection
- ↳ Energetically coordinated
- ↳ Pluggable protection module
- ↳ Remote signalling
- ↳ Conforms to IEC 61643-11 / EN 61643-11 and UL1449 ed.5



	Electrical Characteristics																																																	
<p>V: High-energy varistor Ft: Thermal fuse C: Remote signal contact t*: Thermal disconnection system MI: Disconnection indicator</p>	<table border="1"> <tbody> <tr><td>SPD type</td><td></td><td>2</td></tr> <tr><td>Network</td><td></td><td>230/400 V</td></tr> <tr><td>AC system</td><td></td><td>IT</td></tr> <tr><td>Max. AC operating voltage</td><td>Uc</td><td>440 Vac</td></tr> <tr><td>Temporary Over Voltage (TOV) Characteristics - 5 sec. Without disconnection</td><td>UT</td><td>580 Vac withstand</td></tr> <tr><td>Temporary Over Voltage (TOV) Characteristics - 120 mn Without disconnection or with safety disconnection</td><td>UT</td><td>770 Vac disconnection</td></tr> <tr><td>Residual Current Leakage current to Ground</td><td>Ipe</td><td>< 1 mA</td></tr> <tr><td>Follow current</td><td>If</td><td>None</td></tr> <tr><td>Nominal discharge current 15 x 8/20 μs impulses</td><td>I_n</td><td>20 kA</td></tr> <tr><td>Max. discharge current max. withstand @ 8/20 μs by pole</td><td>I_{max}</td><td>40 kA</td></tr> <tr><td>Total Maximum discharge current max. total withstand @ 8/20 μs</td><td>I_{max} Total</td><td>160 kA</td></tr> <tr><td>Protection mode(s)</td><td></td><td>L/PE and N/PE</td></tr> <tr><td>Protection level N/PE @ I_n (8/20μs)</td><td>Up N/PE</td><td>1.8 kV</td></tr> <tr><td>Protection level L/PE @ I_n (8/20μs)</td><td>Up L/PE</td><td>1.8 kV</td></tr> <tr><td>Admissible short-circuit current</td><td>Iscsr</td><td>10 000 A</td></tr> </tbody> </table>		SPD type		2	Network		230/400 V	AC system		IT	Max. AC operating voltage	Uc	440 Vac	Temporary Over Voltage (TOV) Characteristics - 5 sec. Without disconnection	UT	580 Vac withstand	Temporary Over Voltage (TOV) Characteristics - 120 mn Without disconnection or with safety disconnection	UT	770 Vac disconnection	Residual Current Leakage current to Ground	Ipe	< 1 mA	Follow current	If	None	Nominal discharge current 15 x 8/20 μs impulses	I_n	20 kA	Max. discharge current max. withstand @ 8/20 μs by pole	I_{max}	40 kA	Total Maximum discharge current max. total withstand @ 8/20 μs	I_{max} Total	160 kA	Protection mode(s)		L/PE and N/PE	Protection level N/PE @ I_n (8/20 μs)	Up N/PE	1.8 kV	Protection level L/PE @ I_n (8/20 μs)	Up L/PE	1.8 kV	Admissible short-circuit current	Iscsr	10 000 A			
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